

Appln. No. 09/739,950

Attorney Docket No. 10541-1960

I. Amendments to the Claims

1. (Currently amended) A turbulator with offset louvers for a heat exchanger comprising:

a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting said base and another one of said corrugated fins, said connecting member having ~~a longitudinal length greater than a lateral width thereof and having a bend therein; and~~

a plurality of offset louvers spaced ~~along said base~~ and extending in a direction generally parallel to a longitudinal axis of the strip and also spaced generally perpendicular and laterally to said base in an alternating manner, adjacent longitudinally spaced offset louvers being spaced apart by a first distance and adjacent laterally spaced offset louvers being spaced apart by second distance that is less than the first distance, said offset louvers being rolled in a direction parallel to a longitudinal axis of said strip, fluid flowing through the turbulator flows through the louvers in the direction generally parallel to the longitudinal axis.

2. (Currently amended) A turbulator with offset louvers for a heat exchanger comprising:

a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting said base and another one of said corrugated fins, said connecting member having ~~a longitudinal length greater than a lateral width thereof and having a bend therein;~~

a plurality of offset louvers spaced ~~along said base~~ and extending in a direction generally parallel to a longitudinal axis of the strip and also spaced generally perpendicular and laterally to said base in an alternating manner, said offset louvers being rolled in a direction parallel to a longitudinal axis of said strip; and

wherein said adjacent longitudinally spaced offset louvers are spaced apart by a first distance and laterally spaced offset louvers are spaced apart by a second distance that is less than the first distance ~~extend longitudinally a predetermined distance~~, and fluid flowing through the turbulator flows through the louvers in the direction generally parallel to the longitudinal axis.

-2-

BRINKS
HOFFER
GILSON
& LIONE

BRINKS HOFER GILSON & LIONE
P.O. Box 10395
Chicago, IL 60610

Appln. No. 09/739,950

Attorney Docket No. 10541-1960

3. (Cancelled)

4. (Currently amended) A turbulator with offset louvers for a heat exchanger comprising:

a plurality of corrugated fins each having a base extending laterally and longitudinally in a strip and a connecting member interconnecting said base and another one of said corrugated fins, said connecting member ~~having a longitudinal length greater than a lateral width thereof and~~ having a bend therein;

a plurality of offset louvers spaced ~~along said base~~ and extending in a direction generally parallel to a longitudinal axis of the strip and also spaced generally perpendicular and laterally to said base in an alternating manner, adjacent longitudinally spaced offset louvers being spaced apart by a first distance and adjacent laterally spaced offset louvers being spaced apart by second distance that is less than the first distance, said offset louvers being rolled in a direction parallel to a longitudinal axis of said strip; and

wherein said laterally spaced offset louvers extend generally perpendicular to said base a predetermined distance that is less than the second distance, and fluid flowing through the turbulator flows through the louvers in the direction generally parallel to the longitudinal axis.

5. (Currently amended) A turbulator with offset louvers for a heat exchanger comprising:

a plurality of corrugated fins having a base extending laterally and in a strip and a connecting member interconnecting said base and another one of said corrugated fins, said connecting member ~~having a longitudinal length greater than a lateral width thereof and~~ having a bend therein;

a plurality of offset louvers spaced ~~along said base~~ and extending in a direction generally parallel to a longitudinal axis of the strip and also spaced generally perpendicular and laterally to said base in an alternating manner, adjacent longitudinally spaced offset louvers being spaced apart by a first distance and adjacent laterally spaced offset louvers being spaced apart by second distance that

Appln. No. 09/739,950

Attorney Docket No. 10541-1960

is less than the first distance, said offset louvers being rolled in a direction parallel to a longitudinal axis of said strip; and

wherein said offset louvers have a generally inverted "U" cross-sectional shape, and fluid flowing through the turbulator flows through the louvers in the direction generally parallel to the longitudinal axis.

-4-

BRINKS
HOFFER
GILSON
ALIONE

BRINKS HOFER GILSON & LIONE
P.O. Box 10395
Chicago, IL 60610